

# Heat Shield Coating



cools and protects any surface exposed to the sun!

**We'll take the heat !!**



# KOOLKAT®

Cool Ambient Technology®

**! Drops  
Up to 36°F! \***

- \* Helps save energy
- \* Never loses its whiteness or reflectivity
- \* Protects your waterproofing
- \* Stops rust and restores old metal roofs
- \* Eliminates thermal shock and sun radiation

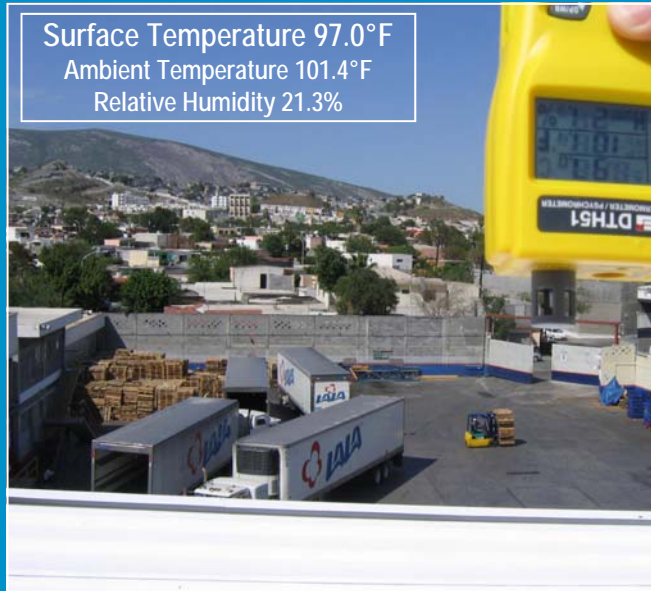
**Non Flammable Non Tóxic Non Polluting**

\* Drop in temperature of surface exposed to the sun ( 36°F or 20°C )

**B E F O R E**



**A F T E R**



## The Kool Kat Roof Advantage

**KOOL ROOFS SAVE ENERGY** by reducing the use of air conditioning

**KOOLS AND PROTECTS ANY SURFACE EXPOSED TO THE SUN**, even in already heat insulated surfaces

**KEEPS INDOOR TEMPERATURES COOLER AND COMFORTABLE**

**NEVER LOSES ITS HIGH REFLECTIVITY OR ITS ORIGINAL WHITENESS** (88.3%), in 3 years (84.9%) and in 8 years (81.7%)

**STOPS RUST AND RESTORES OLD WEATHERED METAL**, giving your metal roof a longer life

**PROTECTS YOUR WATERPROOFING** against sun's harmful infrared and UV rays, acid rain and air pollution

**NO PRIMING OR ANY OTHER ADDITIONAL MATERIAL NEEDED FOR YOUR APPLICATION**

**STOPS MILDEW, FUNGUS AND ANY KIND OF BACTERIA**

**MORE COVERAGE THAN ANY OTHER SIMILAR PRODUCT**, 377 sq.ft. ( 35 mts<sup>2</sup>) on smooth surfaces with three coats of Kool Kat

**SELF-CLEANING**, it will self clean with rain, making Kool Kat totally maintenance free

**NON FLAMMABLE, NON POLLUTING, NON TOXIC**

**HIGHEST REFLECTANCE-EMITTANCE FACTOR IN THE INDUSTRY**, Original Reflectance (88.3%) - Emittance (92%)





## What is Kool Kat and how does it work?

Kool Kat (**Cool Ambient Technology**) is a water based one-step surface coating designed to dramatically reduce the temperature of any surface exposed to the sun, even if its already heat insulated. In a sunny day, the temperature of exposed surfaces can easily reach from 30°F to 60°F (20°C to 35°C) over ambient temperature. During daytime surfaces expand and at night they contract (Thermal Shock) causing roof fissures, cracks, joint separations, leaks, loose screws, etc. Kool Kat's powerful three-way patented cooling technology does what no other product can ...

**COOLS DOWN ANY SURFACE EXPOSED TO SOLAR RADIATION TO A TEMPERATURE BELOW OR EQUAL TO AMBIENT TEMPERATURE**

**REFLECTANCE** (*Measure of the percentage of light reflected from a surface, the rest is absorbed*). Kool Kat is composed of microscopic crystals with whiteness compared to that of fresh fallen snow, with an original high reflectance value of 88.3%. Contrary to almost all other white reflective materials that usually lose their reflectivity after the first 6 months, Kool Kat keeps its whiteness and reflective properties even after years of use, making it maintenance free.

**EMITTANCE** (*The ability of a surface that when heated return to its original temperature*) The highest emittance value is "One" or 100%, when you apply Kool Kat (Cool Ambient Technology) to a surface, it will never heat up because our emittance value is of 92%.

**HYGROSCOPY** (*Physical process that attracts water vapor or moisture*) Our exclusive formula absorbs water vapor from the air (up to 10% of its weight), as the sun heats the surface, the trapped water is evaporated and the surface is cooled. This process is repeated millions of times during the day.



## Where can Kool Kat be used ?

Kool Kat (Kool Ambient Technology) can be used almost over any material as: concrete, metal, rusted metal, steel, aluminium, elastomers, waterproofing, modified bitumen membranes, glass, plastic, asbestos, polycarbonate, etc. And on surfaces like: roofs, walls, windows, ducts, silos, tanks, walk in coolers, trucks, pipes, etc. Kool Kat can be applied with paintbrush, roller or airless sprayer (use tips # 17 or 19). Kool Kat should not be used on tar, asphalt roofs, untreated wood or oily surfaces. When applying, the surface must have a minimum pitch to avoid ponding, our product is not formulated for traffic areas, and should not be covered or coated by any other product or material.

KOOL KAT IS NOT A WATERPROOFING, BUT THE WATERPROOFING PRODUCTS ARE NOT LIKE KOOL KAT.



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 **KOOLKAT**<sup>®</sup>  
Cool Ambient Technology<sup>®</sup>